

1 What is claimed is:

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3 1. In a washing machine including a tub holding a laundry and water, a cabinet
4 having the tub provided inside, and a drain hose for discharging the water in the tub outside
5 the cabinet, a holder assembly of a drain hose, comprising:

6 a drain hose holder having an entrance end extending inside the cabinet to be bent
7 inward to facilitate the drain hose to be inserted wherein the drain hose penetrates the drain
8 hose holder to be guided downward; and

9 a fixing hole at a lateral side of the cabinet to fix the inserted drain hose holder fixed
10 thereto.

11
12 2. The holder assembly as claimed in claim 1, the drain hose holder comprising:

13 a guide part having the entrance end at one end and penetrating the fixing hole to be
14 provided inside the cabinet; and

15 a locking part having an oval opening vertically provided at a central portion, the
16 locking part provided at the other end of the guide part to be built in one body of the guide
17 part, the locking part locking to fix the guide part to the fixing hole.

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19 3. The holder assembly as claimed in claim 2, the guide part further comprising
20 a hose loading part having one side extending in winding along an edge of a lower semi-oval
21 of the opening of the locking part in directions of an inside of the cabinet and a vertical axis
22 of the opening and the other side built in one body of the entrance end extending to be bent
23 toward the inside of the cabinet wherein a vertical cross-section of the hose loading part has a
24 secondary-curved shape.

25
26 4. The holder assembly as claimed in claim 3, the entrance of the guide part
27 comprising:

28 both lateral sides extending in parallel from the locking part; and
29 a semi-circular bending side connecting ends of the lateral sides.
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31 5. The holder assembly as claimed in claim 3, wherein a horizontal cross-
32 section of the entrance end of the guide part is semi-oval.
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34 6. The holder assembly as claimed in claim 2, the locking part comprising:
35 an outer support body supporting an outer rim of the fixing hole;
36 a central support body having the opening at a center and inserted in the fixing hole to
37 support the fixing hole in a center direction; and
38 an inner support body supporting the inside of the cabinet where the fixing hole is
39 formed.
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41 7. The holder assembly as claimed in claim 6, the inner support body
42 comprising:

43 an upper support body formed at an upper end of the central support body to be firstly
44 inserted inside the cabinet via the opening in assembling the drain hose holder; and

45 at least one lower support body provided at the opening of the hose loading part to
46 have a slant wedge shape of which inside direction of the cabinet is lowered.
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48 8. The holder assembly as claimed in claim 7, wherein the lower support body

is provided to each side of the hose loading part.

9. The holder assembly as claimed in claim 6, the outer support body further comprising an exit fixing part extending in winding outside the cabinet along an edge of an upper semi-oval of the opening in the direction of the vertical axis of the opening.

10. A washing machine comprising:
a tub holding water;
a drum installed in the tub, the drum holding a laundry;
a motor rotating the drum;
a cabinet having the tub and the motor provided inside;
a drain hose extending outside the cabinet from the tub to discharge the water in the tub outside the cabinet; and
a drain hose holder having an entrance end extending inside the cabinet to be bent inward to facilitate the drain hose to be inserted wherein the drain hose penetrates the drain hose holder to be guided downward.

11. The washing machine as claimed in claim 10, wherein the cabinet comprises a fixing hole at a lateral side of the cabinet to fix the inserted drain hose holder fixed thereto.

12. The washing machine as claimed in claim 11, the drain hose holder comprising:
a guide part having the entrance end at one end and penetrating the fixing hole to be provided inside the cabinet; and

73 a locking part having an oval opening vertically provided at a central portion, the
74 locking part provided at the other end of the guide part to be built in one body of the guide
75 part, the locking part locking to fix the guide part to the fixing hole.

76
77 13. The washing machine as claimed in claim 12, the guide part further
78 comprising a hose loading part having one side extending in winding along an edge of a lower
79 semi-oval of the opening of the locking part in directions of an inside of the cabinet and a
80 vertical axis of the opening and the other side built in one body of the entrance end extending
81 to be bent toward the inside of the cabinet wherein a vertical cross-section of the hose loading
82 part has a secondary-curved shape.

83
84 14. The washing machine as claimed in claim 13, the entrance of the guide part
85 comprising:

86 both lateral sides extending in parallel from the locking part; and
87 a semi-circular bending side connecting ends of the lateral sides.

88
89 15. The washing machine as claimed in claim 13, wherein a horizontal cross-
90 section of the entrance end of the guide part is semi-oval.

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92 16. The washing machine as claimed in claim 12, the locking part comprising:
93 an outer support body supporting an outer rim of the fixing hole;
94 a central support body having the opening at a center and inserted in the fixing hole to
95 support the fixing hole in a center direction; and
96 an inner support body supporting the inside of the cabinet where the fixing hole is

97 formed.

98
99 17. The washing machine as claimed in claim 16, the inner support body
100 comprising:

101 an upper support body formed at an upper end of the central support body to be firstly
102 inserted inside the cabinet via the opening in assembling the drain hose holder; and

103 at least one lower support body provided at the opening of the hose loading part to
104 have a slant wedge shape of which inside direction of the cabinet is lowered.

105
106 18. The washing machine as claimed in claim 17, wherein the lower support
107 body is provided to each side of the hose loading part.

108
109 19. The washing machine as claimed in claim 16, the outer support body further
110 comprising an exit fixing part extending in winding outside the cabinet along an edge of an
111 upper semi-oval of the opening in the direction of the vertical axis of the opening.